What is claimed is:

- 1. A method, comprising:
 - (1) providing a composition, said composition comprising a first component and a second component;
- 5 (2) applying said composition to a first workpiece;
 - (3) after step (2), diverting a portion of said composition;
 - (4) diluting said diverted composition;
 - (5) determining a concentration of said first component in said diluted composition; and
- 10 (6) introducing an additional amount of said first component into said composition if said concentration falls below a desired value.
 - 2. The method of claim 1, further comprising, after step (2), reapplying said composition to a second workpiece.
 - 3. The method of claim 1, wherein said first component comprises an antimicrobial.
- 4. The method of claim 3, wherein said first workpiece comprises a raw, hide-on, carcass, cooked, prepared, processed, partially processed, ready to eat, or ready to cook food.
- 5. The method of claim 1, wherein:
 step (2) comprises applying said composition to said first workpiece in a housing;
 and
 step (6) comprises introducing said additional amount of said first component into said housing for mixing with said composition if said concentration falls below said
 - 6. The method of claim 1, further comprising:
- after step (5), passing said diluted composition to a first tank; and passing at least a portion of contents of said first tank through a separator to selectively remove at least a portion of said first component from said diluted composition.
- 7. The method of claim 6, further comprising, after step (2), passing at least a portion ofsaid composition to said first tank.
 - 8. A combination, comprising: a housing;

desired value.

- a sprayer disposed within said housing;
- a conveyor passing through said housing;
- a plurality of workpieces carried by said conveyor, said plurality of workpieces selected from the group consisting of meat, poultry, and fresh and salt water seafood;
- 5 a first tank;

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- a first composition disposed in said first tank, said first composition comprising a first component in a first concentration;
- a first conduit extending between said first tank and said housing;
- a second tank;
- a second composition disposed in said second tank, said second composition comprising said first component in a second concentration, said second concentration being less than said first concentration;
 - a second conduit extending between said second tank and said sprayer; and means for passing said first composition from said first tank into said housing in response to a decrease in said second concentration.
 - The combination of claim 8, further comprising a third conduit extending between said second tank and said housing.
 - 10. The combination of claim 8 wherein said means for passing said first composition from said first tank into said housing in response to said decrease in said second concentration comprises:
 - means for detecting a decrease in said second concentration;
 - a pump operably connected to said first conduit; and
 - a controller operably connected to said means for detecting said decrease in said second concentration and to said pump.
- 25 11. The combination of claim 10, wherein said means for detecting said decrease in said second concentration comprises:
 - means for diluting said second concentration to a third concentration; and means for detecting a change in said third concentration.
- 12. The combination of claim 11, wherein said means for detecting said change in said third concentration comprises a spectrophotometer.
 - 13. A combination, comprising:a housing;

- a conveyor passing through said housing;
- a plurality of workpieces carried by said conveyor, said plurality of workpieces selected from the group consisting of meat, poultry, and fresh and salt water seafood; a tank;
- an antimicrobial disposed in said tank, said tank being connected to said housing for receiving said antimicrobial as said antimicrobial passes from said housing; a pump;

first and second filters operably connecting said tank and said pump, said first and second filters being disposed to provide for parallel flow between said tank and said

- 10 pump;
 - means for selectively directing said antimicrobial passing from said tank to said pump through said first filter or said second filter; and a conduit extending from said pump to said housing.
 - 14. The combination of claim 13, further comprising:
- a sprayer, said sprayer being operably connected to said conduit and at least a portion of said sprayer being disposed within said housing.
 - 15. The combination of claim 14, wherein said plurality of workpieces are raw, hide-on, carcass, cooked, prepared, processed, partially processed, ready to eat, or ready to cook.
- 20 16. A method, comprising:
 - (1) providing a conveyor for moving a plurality of workpieces;
 - (2) providing a first composition, said first composition comprising an antimicrobial and water;
 - (3) applying said first composition to one of said plurality of workpieces;
- 25 (4) after step (3), capturing said first composition;
 - (5) applying said captured first composition to another of said plurality of workpieces; and
 - (6) after step (5), passing said first composition through a carbon filter for selectively removing said antimicrobial from said first composition.
- 30 17. The method of claim 16, wherein step (6) comprises:
 after step (5), passing said first composition to a tank; and
 when said first composition reaches a desired level in said tank, passing said first

- composition from said tank through said carbon filter for selectively removing said antimicrobial from said first composition.
- 18. The method of claim 16, wherein said plurality of workpieces comprises meat, poultry, fresh or salt water seafood, fruits, vegetables, other foodstuffs or animals, food packaging, or items or surfaces related to food or food processing, or

combinations thereof.

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- 19. The method of claim 16, further comprising:
 between step (4) and step (5), monitoring said first composition for a decrease in
 concentration of said antimicrobial in said first composition; and
- 10 introducing an additional amount of said antimicrobial into said first composition if a predetermined decrease in concentration is detected.
 - 20. A combination, comprising:
 - a housing;
 - a sprayer disposed within said housing:
- a conveyor, said conveyor being disposed to pass workpieces through said housing, said workpieces comprising a raw, hide-on, carcass, cooked, prepared, processed, partially processed, ready to eat, or ready to cook food;
 - a rigid member affixed to a downstream end of said housing, said rigid member having first and second portions extending on opposite sides of said conveyor and
- having a plurality of openings in said first portion and in said second portion; counters disposed within each of said openings;
 - a plurality of lenses secured to said rigid member to provide a water resistant seal over each said plurality of openings.
 - 21. The combination of claim 20, wherein said counters comprise:
- a first counter component disposed in one of said plurality of openings in said first portion;
 - a matching second counter component disposed in one of said plurality of openings in said second portion, said first and second counter components being disposed and aligned so that workpieces being carried by said conveyor block a line of sight
- between said first and second counter components as said workpieces pass between said first and second counter components.
 - 22. The combination of claim 21, wherein said counters further comprise:

a third counter component disposed in another of said plurality of openings in said first portion;

a matching fourth counter component disposed in another of said plurality of openings in said second portion, said third and fourth counter components being disposed and aligned so that workpieces being carried by said conveyor block a line of sight between said third and fourth counter components as said workpieces pass between said third and fourth counter components, said third and fourth counter components being disposed downstream of said first and second counter components.

23. A method, comprising:

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- (1) providing a conveyor for moving a plurality of workpieces, said workpieces comprising raw, hide-on, carcass, cooked, prepared, processed, partially processed, ready to eat, or ready to cook food;
 - (2) providing a first composition, said first composition comprising a quaternary ammonium compound and water;
- 15 (3) applying said first composition to said plurality of workpieces;
 - (4) simultaneously with step (3), monitoring a concentration of said quaternary ammonium compound in said first composition, said step of monitoring said concentration of said quaternary ammonium compound in said first composition comprising:
- diverting a portion of said first composition;
 diluting said diverted composition; and
 determining a concentration of said quaternary ammonium compound in said

diluted composition; and

- (5) adding an additional amount of said quaternary ammonium compound to said first composition if said concentration falls below a desired level.
- 24. The method of claim 23, wherein step (2) comprises providing said first composition, said first composition comprising an alkylpyridinium chloride and water.
- 25. The method of claim 23, wherein step (2) comprises providing said first composition, said first composition comprising a cetylpyridinium chloride and water.
- 30 26. The method of claim 23, wherein step (2) comprises providing said first composition, said first composition comprising a cetylpyridinium chloride, a solubility enhancing agent, and water.

- 27. The method of claim 23, wherein step (2) comprises providing said first composition, said first composition comprising a cetylpyridinium chloride, propylene glycol, and water.
- 28. The method of claim 23, further comprising:
- after step (3), capturing said first composition; and applying said captured first composition to another of said plurality of workpieces.
 - 29. The method of claim 23, further comprising:
 after step (3), selectively removing said quaternary ammonium compound from said
 first composition.
- 10 30. A method, comprising:
 - (1) providing a conveyor for moving a plurality of poultry carcasses;
 - (2) providing a first composition, said first composition comprising a quaternary ammonium compound and water;
 - (3) applying said first composition to one of said plurality of poultry carcasses;
- 15 (4) after step (3), capturing said first composition;
 - (5) applying said captured first composition to another of said plurality of poultry carcasses; and
 - (6) after step (5), selectively removing said quaternary ammonium compound from said first composition.
- 31. The method of claim 30, wherein said quaternary ammonium compound comprises an alkylpyridinium chloride.
 - 32. The method of claim 30, wherein said quaternary ammonium compound comprises cetylpyridinium chloride.
 - 33. The method of claim 23, further comprising:
- 25 refraining from applying said diluted composition to said workpieces.
 - 34. The method of claim 8 or 13 wherein said plurality of workpieces comprise fish or other animals.